



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090703

**Mode:** Highway

**Status:** Submitted

### US-70

**From/Cross Street:** US 258 (Queen Street)

**Specific Improvement Type:** 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

**To:**

**Project Category:** Statewide Mobility

**Length:** 2

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$14,022,000

#### Description:

US 70 and Queen Street. Construct Overpass with Square Loop Design.

**Division(s):** Division 2

**County(s):** LENOIR

**MPOS(s)/RPO(s):** East Carolina RPO

### Project Location



**Statewide Mobility Total Score: 27.47**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (30%) 0.78 Congestion (V/C) (30%) 51.52 Safety (10%) 50.00 Economic Competitiveness (10%) 1.25 Multimodal + [Freight & Military] (20%) 33.30	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 27.47</b>		

**Regional Impact Total Score: 50.08**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 50.00 Multimodal + [Freight & Military] (25%) 33.30 [Travel Time] Benefit/Cost (20%) 0.78	Percent: 15% Points: 100	Percent: 15% Points: 94
<b>Totals: Weight: 70% Weighted Score: 20.98</b>		

**Division Needs Total Score: 72.13**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 51.52 Safety (20%) 50.00 Multimodal + [Freight & Military] (10%) 33.30	Percent: 25% Points: 100	Percent: 25% Points: 94
<b>Totals: Weight: 50% Weighted Score: 23.63</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	51
Length (miles):	2
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	37782.16
Capacity:	62269.87
Volume/Capacity Ratio:	0.61
% Autos:	90%
% Trucks:	10%
Truck Volume:	3625.67
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	66.7
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	86
Actual Congested Speed:	34.55
Travel Time Index:	1.59

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	478000
Travel Time Savings for 30 Years (Autos):	432129.88
Travel Time Savings for 30 Years (Trucks):	45870.12
Long-Term Employment:	8
% Change in Economy:	1.7E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 2

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

Division	Percent	Regional Impact	Division Needs
Division 2	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>100</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
East Carolina RPO	100%	94	94
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>94</b>	<b>94</b>

**Project Cost and Source**

Construction Cost:	\$14,022,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$14,022,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$14,022,000</b>	